

Patent  
Docket No. 10290US02

**SYSTEMS AND METHODS FOR USING NOISE MEASUREMENT  
TRACKS WITH SERVOPOSITIONING SIGNALS**

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**Abstract of the Disclosure**

Servopositioning data is written onto a linear recording medium such that a position error signal (PES) is intentionally created. The signal substantially resembles a conventional time based servo pattern, but is insensitive to transverse position. In a preferred embodiment, the signal at a zero-azimuth, *i.e.*, an angle sufficiently small in 10 value such that there is no significant PES signal associated with the transverse motion.